





Like the five place Widgeon, the executive transport, the Mallard, is in service with companies and private owners throughout the world. The present production amphibian, the Grumman Albatross, is in global operations with the USAF Air Rescue Services, the Navy, and the Coast Guard. All told, Grumman has built more amphibians than any other company in the world.

GRUMMAN AIRCRAFT ENGINEERING CORPORATION BETHPAGE . LONG ISLAND . NEW YORK DESIGNERS AND BUILDERS ALSO OF THE COMMAR JET FIGHTER, SZF-1 SUR-KILLER, METAL ROATS, AND AFRORIST TRUCK RODIES





Device of Sundational Machine Tool Company, ECCKFORD, NJMOS * Western District Office: Howthorne, California CONSTANT SPEED DRIVES . AIRCRAFT ACCESSORIES



How to keep planes from coming down with the cold

radienators of persons account courted

Auburn Collars (Seals)

No. 1245 (Houses T

SPRING AND EXPLET ASSEMBLES

Connectors

1009-TV (17)

1000 C Suuriu 1092-M Mychin Cal

Connectors

Aviation Week

ANT IS 1996 Edmand Office New York 26-210 W. 42nd St., Phone SQuepoor 4 5000 (Night LD 4 5000) Table of Contents on Page 8 \$1,250 capes of the argo protect

Rabon B. Hots, December Edito Non-Edwa Street Clinites ... Special Assistances Military Levencer I Herb

DOMESTIC NEWS BUILDING

Atlanta 5 INI Khodo-Gorott Bide Howton 25 556 Functionst Bills - Washington 4 - 1107 National Press Bills Joseph K. Van Denbern, B. Mende

Free Credit W Schooler Tolero

AVAILABLE MEEK # ASHE 54 1954 # VAL 42 No. 24 Monter ASP and ASC



a new look at Magnesium!

UP TO 25% PRICE REDUCTION ON SHEET AND PLATE Bearing, Millord, Various,

New Dore facilities—new in operation—are producing magnetion sheet in



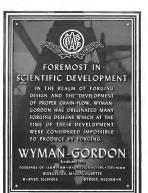












NEWS DIGEST

Domestic

Senate Appropriations Committee

New turbine engine will be developed ing and dengers of the world's fest

Armhor spendist rocket cracked as altitude of 90 nm during today at White General Corp. reports. The builder the Instant of the Accommoded Sceners, has been set up by the Masu-

Security charges last week forced sup-

New's Assess tomolo knowler will shaded with the Council TEE,1 and AVENTOR WHEE Are 16, 7866

How New Sikorsky Copter Hunts Subs New Schools \$30554 descendance its sub-leading technique for display a new Designer Sport Schoolsy (Le lieb) witches the XHSS I meters. The same may be seen met-orb worder devoce locate the sale, the sayler lessaber lightweight benough sensition only next year. The XHS6-1 is neveral by a Leasung half 1.825 ha.

Nove shift has 804 YBMs, show to me Lester D Gredner, settent founder o

International Second protetroe Secure S.E. 5000

Ges. Umberta Savas, 52. monos

First communical Bloke of Publishes Insome to prepare bolders on a one-for- of 90 passengers. Officials say the gav-Bell Alexaelt Com., Refisio, N. Y., recourt \$1,115,000 subside magazire



00~ servo motera

arushless iedus

AND STABLE PERFORMANCE

servo comecenets

SYNCHICA

The Aviation Week Janu 14 1954

Production Engineering turien Break Wayle 20 Dead: 20 Windows Expen Fara Separatron Li Scong Open Cent Fluid Tru Finder St Super: Manie Pilot Santron

Several Season Deby Coule to Hosh ... 42 Mor Medical Conduc Cod Bardonesia 65 Starle Bode: Merce Co Bound 75

Toler Toro Agri Collinea Light: 10 CAR Asset 1A One Tace Equip. CAR One Brood Sales of White-CAD Can Record Subsely 12 Written CAD Asks Subsely Office Law Burglet Forceast Sub-Pressurger Act TWA Nature Strong End for Beyon

Departments

Picture Credits day in the same

GONLE ARCLET AIRCRAFT COMPCOUNT TOTALS EQUIPMENT halading Better PESTING COMPANY

A user tells

how AETCO SERVICE helped him

WHO'S WHERE

In the Front Office Francis Autombudt has been elected ver needed and resent measure of Piller nov detent, Indexted Plants Co

Three II Deight, product of Aircelt Here it Despit produit or Account

C.E. Farque is new closel at an advance.

Honors and Elections

Names L. Model, manager of ractal

INDUSTRY OBSERVER

FUSAF his placed a new S75-million contract with North Associan Assetson for an audictional quantity of F-100C Super Safet impersons:

P Nest USAF community wheeleds to expens from effectal security wrong ACR for Aids better and the Northean VR-C Story learnings my feet manufe. The Sant has been varied to potoes of a public sirport on

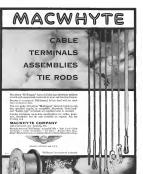
Collingua for some time.

report in perforance evaluation of a meltiny X-book set now in our on a DC-CE. Pilets report that radar maternally solvers supercoons thoughten have and elements wide roots deviations in had wrather and also referen

P Direblet Ascords Co., Berheids, Md., new is consisting the support * Ar Noticed Conversed has 120 Fairshild C-62 transports for rale as our "Occurrent Scring Clean," now under way in comony recurate,

Printeg world of a new tree printing topograde beaco, which will

P. Dougho A4D Skykovik (see p. 14) is scheduled to fir this work at the Ar-



VOL. 60, NO. 26 AVIATION WEEK JUNE 14, 1954

Avro Canada Developing Mach 2 Fighter

sing a year loss nomendast, will have

A destand receives (74.000 %, showed)

- RCAF's delta-wing CF-105 will be powered by twin POwth AutonoPlace for the ten high float engine first were shown to
- turbolets, each with 20,000-lb-thrust potential. · First prototype is expected to fly in 1956, with quick conversion to assembly-line production planned.

By Levine Stane in building an interpreter to last at the CF-165 0) will up the beam sight a gen of about 52,000 fb), it is poolif is expected that Avia will kine pet

toutal of 15,000 20,000 lb without referre red come desprey and #The surpless is the Asia CE-101 Amorrow Ware May 15, p. 2040. Under an extial contact, Avon well The marker is a long two speed turbo-

is projected as the production replaceturned out in quantities so the aff-

Fash Production-Tooling-Consider

two measures. That would allow

Scientist Takes 22Gs On AF Rocket Sled Riding a mobet-peopolical ideal at nel comme and structural tentury or DNAP's Hallman Art Development

Centur in New Mosco, Lt. Col. John P H7 for First Fights-The production order for the delta satesceptor pech-

at speeds up to 500 mgh. ARDC non P Rocket Bide-For Col Stopp's second comprisor cattant, exter dids, state: State was fastered for his highered nde is a reporte vehicle that which in addition to Nuthern and Hello-

Mach 2 Power · Plane engine revolution under way at Lewis Lab.

· NACA aim is sustained. flight at 1,300 mph.

Claveland-Revolutioners change in

FNACA Impertury-Bond orthog of

velopment of newcolasts couple of

tried in pay it is analyst from the HIGHEFFICHINGY COMPRESSOR is introducted for internal across, towarders first







Concessed Riffert-The performance copabilities to be realized from horsess

"New the rate of progress will depend largely as how mark time, the consecuent also are used to domp cacry and money is applied to the

► World Factors-The problem of en-

cound at handless a larger many parties: * Revenue threat NACA has developed

*Turbine Huber on brownston

ben and stability the sharkware on

AF. Navy Aircraft Obligations Still Lag

US.M's doobligation of freeb dering log Nav's not obtestates were and

USAF's corrover rato fiscal 1955 weeks

USAF set eblication rended \$370



STREET AND SETHAME, regions lighterple Navy attack plans, stack high off the proud on troyck hading goal. New A4D Designed to Outperform MiG-15



El Scrando-The New last week up.

causest operational jet fighters which week in at short \$1,000 Br. has a



ATTACK PLANS CONTESSY. The Double A4D Sirkest and by tracker Double A3D Sirverner show different shopes and now ye sated at mose than 7,200 Ib though

Layoffs Hit Piasecki As AF Crounds H-21 As An Four refor remoder the Cold. hop a blade after 27 modifies. ole, alevena production antil all model-

cificas are frozen and can be incos. Lot HUP is scheduled for delivery this production line. With Floor natural P-Andrews Leave-The ratiol FL21 this measure

average under all-worther conditions. PEntreent Simplified-To realize · Pickaging communications route ment carbotan BT appropert onto

►Level Indefinite-Don R Body, society 4,700 resolvers and most of the of space in Agencie. Pa., where the HUP and Army E-25 year should get

· Bowloght, when wegle 15 lb. ra New species and words deposits been seed. It is made up of only 88 · Air conditionity orders is said to be ► Tithred Cockpit-Test wifet Bel-Poly said when he can the first search frounce of other earliest set

ceder was deted May 17, Berlin dis-A birtist program for the new



CAPITAL'S TURNSPROP VISCOUNTS will look him then the new Month transports on one scrope as U. S. next April

Capitol Airlines Buys Turboprops British Crack U.S. Market With Viscounts

Volon-Assuttons, Etc., of Gent self-cent contribute hardle the enter. Consolvel englesses that then of the U S select opaparent model. * Heaty Delvery-The Statch were option for the additional 57. In his The purhase could prove a sec deliverses of which well began only in

P.S.45 Million Deal-CAP receipt

Viscount Record

eaders for the arcoft new total avere

CAP reports to one flesh filter nate

While the prompinities notes in P. Elek Char. Sergery Cornector) and

Marie Series

He points out that on more than long as to standardise by using met en- lie, but Ceptal expects to estand that turn. The victor paner has muched gr

Robert T. Quark, penadest of Datast

Accessorets for obtaining specfored to exteld the a speed parts depot as

has center in Washington," Car Occupied occord for the Durt is 750. Hepsenhout the industry to Constilla

· Only qualified airlines would win new licenses. correlar rathers to perform bene fide

week by Carl Acronystics Board's the reduce should be so so excellent. Breaso of Air Openintes. Beron crupic Movio F Beron. Maintenance and space parts placeing in a philipped of BAD's posture in ruble convenues and necessity re-

const from a long time Weshington • Edute of the neither's expension is observer. "I'm gled to see the Viscoustis naccountilly providing normalization gally has been decessed for the unlittere, view obligations to the mobile. all we get a a medification of the stell . Comor's provious second of comple-

Revenues Takes Three Forms Servers. France's nanounalized sur- . True F to a fixed metallistics, pro-

nemaly housed between the not

mobile of the salvest stoom faces mose, the BMW 003, the Gobbin, Type D to nightly except that it is. not returble. It is detaclished, houses and a offered to the full-

goose of other possessions apostins Nonskeds' Role · CAB bureau proposes out 'additional and supplemental' to 5or, charter certificate. "This spring would people! that

. First retricate should include an

· Cartifician should not be finished

 Within the recommended authority fide chartes states ""Boss fide charter"

Special ACC Study







Execut Manufactures of Electric 4935 West 67th Street, Choose 35, Hintols



Aero Commander Gets Swept Tail A new resetted Arra Commander colonder transmittant with

this result is 12,800 ft. At 6,000 ft., with one engine feethered. See level P Foregreet, helialed in the \$60,500

Other steeded items so full-feether

nel treate emergiates its bost program

. Palese 2, chimed by the communicat

busines plane, the Medel 500, has been Performance-Too seend at 5,500 fb

▶ Powerplants-The Acra Communder

Argentina Will Spend \$82 Million on Planes

mend at long \$52.5 million by the end prepared place expected to seach counts of every flow 198 mah.

ANMATION WEEK, June 14, 1954

ON ZEP OXYGEN EQUIPMENT

you can











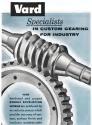






980con 8-1765

BEIAKY Excitator Weldow Medicines in the World



Consider these advantages - Production symblish · Interdespectation of VARD hardened and · decures of control ground double enveloping

- Eigher efficiency

mores and ever sets

dollar exchange does not emble IAME

London Airport Builds \$100-Million Terminal

London-Fey penerson leading # Construction of what whiled as the ▶ Air the tion of the year
▶ Air the Facilities—The Southeast Free



5 TRATOPOWER Is Ready for the Planes Which Will Break Through Today's Ceilinas



WATERTOWN AND THE THE NEW YORK AIR ROAKS COMP

and able to perform efficiently well beyond heights name trated by piloted currents. They've proved tri In Bockets. Galded Missiles and under the speciated conditions of the innerhan STRATOROWIR During count They one both to perform at full efficiency and with complete dependability under the extreme conditions and variables imposed by uspterted anearly and service reiffices. STRATOPOWER Parces drow field from unresented

visul author arriety factor for high allitude operation . . . rvater, ortantion is present, even though reservoir measure

Days to a STANTOPOWER Probustic Page to exercise

728 Simbulk Are., Westeren, H. Y.



- makes cantral cable tension rending

easy and accurate!

Check these points: NEW PASS TO REAL DRAF NEW CONSTITUTION COST

Staded TS politicas sky mulde o A colorful new bulletts selfast off.

P4 Million Proposition, No. 1960 nove.

Convair Official Urges Air Supply Speedup Choice F. Bress, named of the

P Specifing the Flow-Species below

Pemona, Calif., plant of Convey Dra. sequent a relatively small number of



Five Conberros-All Different Here are the defermal venues of the those \$16, house \$14, photo-more \$18.0 and the

COLD 50° F LOWER THAN MT. EVEREST'S CAN'T FAZE THIS G-E SILICONE RUBBER!

G-E CLASS 500 silicone rubber retains flexibility at -120 F

Specifically desiroed for high-slitteds and arctic elected: compounds have become the standard in the industry. know, elegencer, rectating other places, rabbers, they make ideal gaskets and seals for airfrome openings, acro-

· Flexibility at 120 degrees below zero #

★ Serviceshillty over a 600-degree range (-120 to

ir No planteleses to bell out at high temperatures

Ask your fabricator show GJF CLASS NO Whome rubber for low-

can be reade to your exact specifications from G-E. aligone many. For the parago of experienced from-

Are year "Sources File for Product Systems"

fit in your future GENERAL ST ELECTRIC



7 () Moldet Soon, Grewn, St. C. 1 Shows and blackers

*() Sponged products arounds
*() Sponged products arounds
*() Consed tages, clotte, shows







firm expects to the Securities & Ex-The company pool Roy P. Wintmen,

central rough to control worldwide weald persons the arrestor portion of the *Accept on Speed-Alene with the We new seed a heavy legistics on

P Sample Premius-We must report the screller to the freet Testest with

Bell Aircraft Pays

Officers \$387,000 Lawrence D. Belt, propdert and sen





mer. Called in on the problem. MR efection speculars terrind engines. Whenders was political, a creath, com-17 consention visited still another broads. The HRIS supped especially for PAW R2000 engines. Their solven-Eigh recent weight \$5% has then the unit at rewhip in vibration engageering explains in part why

many metafacturers rely on MB-for campe mounts

PRODUCTION ENGINEERING

Analysis Reveals Wright J65 Details





WEIGHT TAXABLE carried view shows entered and from Ford on Armeters



THE-W-1 CUTAWAY



SCHEMATIC was arrive details of oil, at and fuel flow. Companior when Modes we not evented between date

Chopses and make an faith prosleet. Nickel is used at the Namest

* Compenses Data-Death of the com-

curve offen same important spratte

COMPRESSOR rates (left) and states highly. The solet profe wase and first seven stages



tensive development of the YTES-W-1 8050M of compensor in check forms. Note long blides at inche end date



connection to provide higher strength, such may of darks by yields then not Retor shaft as a bodiery alternature

a madification of the field in order to. > States Details. The inner surface of alky uset about 10 on in diameter. New pretted tota the end of each con-

featr attrice is saternal with the center

The Fettil Sense accorporated a support which was practically torred

Bendix Builds a Better cable clamp # AN3057B

Inexpensive · Efficient · Versatile The new Books, AN approved ANMSTE cable clamp is new available. Engineered by Esselin in the highest quality standards, then middle classing offers major driving inter-constant. The demanting critism in Consular Hotel redult and enquirery absorate was steam and challen by hadden the way builds from a rabber The chap will accommodate a self-rings of were builds slice, but we seen greater range can be healful thought its use of the Books ANDEM. servicing title-sprig sleeve

Control durates ection. The viriable clamp is a product of the Scouder Masseste District of Brodit Artalian Carnes and Managed and codets:

SCINTILLA DIVISION OF SIESST HIW TOLK Ampire Sty. 4 2 Sept 20 CARGOLL SER & PROCESSOR AND RANGE DATE. 5. Wes - Depletion Fig. 200 Can Am. Saint J. Marigan - Ed Was feet antibute Fragmer Eds. 11 W. Whiteship Anties Milescales, Specially - Saint Saint Berrys 10. Annie - Library Saint Sanda, Saint-Saint-States 250 pp. 65m d. Saint Fee I.S. N.











TEMPERATURE PROTECTION connect with cannon!

the MS TENT and 6 TON" . Minds for pages \$4 5 minutes at 2000° E., but premity is not necessarily makesaled A filed application, not designed to thought use, withdrawn 800° P. restingues for







NUTS, BOLTS, SCREWS

ALLIMININ RIVETS

COST REDUCTION

AVAILABILITY

CONSERVATION

150 500F at acr feed highpend fight, MIXED HARDWARE

> Weight has produced the part for Noncest year difficulty is still on

combuston section is respond of the horse support on which the retrain-



ASSEMBLY PLATFORM (tight) rides in pil, to keep work at connection loved. AFFAIRDH WEIK Jun 14 1914

Wright J65 History complete). The cruise combined your

Conto Withir observed horse to hild the Assistance Saldshire agreement with A5 in the full of \$190. The Sephice had pured the Senati 170 to model her. Anticoting and marification precented from Dec. 1990 to Max 1992. The semonths after the first tool trad cause was

Assertes labor rates, and of making

The first production F-MF flow New It, and to the feet production FI I on Chan L. Mattin's 267 is powered with a Tubh-bulk 165 capie. First

fight for the combination was in labor for me in from other military already and by the rague as an arrow specifico at a security of Air Force bear.





Behind the PLEXIGLAS ... Proper Maintenance . Years of expenses by the Rober & Here Company in

... Shill and know-how on the past of designers and

Use of approved cleaning methods and materials. As the manufacturer of senation's standard reseasement

mrs and mustimizes of Parricus. "Ever of Flight," a 30-mirate Moon traceau film on this subject, produced for and GAA Sin Harries.



ROHM & HAAS COMPANY

Paragraph to a codework flow & 6 For Sf., and other principal execution of the Ferrisa Resignation.

for both Call and Military users SORTING CONTRACTORS INC 25 S.W. 10 St. FOrest 5:9754 Oblohowa City Obla-SERVICE SORTING ONLY









cuing are a single custing to provide maximum processor to shock, and to provide stress and a

LIGHT WEIGHT
These from one not only compact in design, but one , available in either alternature or communication to

VANEAXIAL DESIGN
Suitoury varies provide an equal pressure and
whenly distribution as all pounts octors the fits outlet,

has producing as sir few passers substantially feed took substance.

AERODYNAMIC ENGINEERING

Both the bindes and surjicency vanue of Joy blowers employ accodemnically efficient airfull shapes, to insure the most feverable electricity-air power ratio.

precision investigation of processing the state of the second of the sec

Country Gry Experies

Joy office a wide selection of smodeod single or recounge storack fans, so well on donous-designed types, for all vandaring, bearing or cooling problems on ridiary and connected places. Optional features include smight or fured salem, builded or funged connections, radio noticefilters, anodimetric, and

MATCHED EXPERI

Jey is the world's largest assentionness of vanesaled from and blowers. From the all jumposes, resinging from 1/500 HP to 2000 HP and up, with frost, algorithm, or controllable blood patch, commons the unequalited blood patch, commons the unequalited blood patch, commons the unequalited blood patch, commons the unequality and patching and patch patch to the common patch patch

JOY WORLD'S LABOST MANUFACTURER OF VARIABILATIVE FAMS



It on the same only and It is calle edge.

Within the constanton chain nor later is loated a best she roughing the shift between task component. Frast, and of the should in supported by the six of the custom name basing is looming. This immeng the supportant and of the size can beausport cover of the size can beausport cover in search which sho tested within the combustion of

P-Vaporinty Case Hands-The upon comp system word in the 16° in besichly different from that and ar U.S. do agree Unit at most by represente sits. There is no money of first not in by mechanical absolutions will pury sounds so when selfere. Facil pursue through 56 takes in stalled as the condension chamber with the contraction of the contraction with the contraction of the contraction.

Field power through 56 tables ustified an the conduction chamber ofter homers. Then tober hormanic mode the 56 corresponding powers pismitted tables, which there one on the conduction of the conboded and positing pursuas. Find positing in the tober feeding



will core: 16 princy factorday taken (conto) between 16 secondary or distributing rays (softe core)



the U.S.A. Index.

Busined below are typical blodes, receive, hydrocic octuating essentiales and for location controller, percision built by Ex-Cal-O Corporation to elevath buildary' rigid specification.



EX-CELL-O CORPORATION DETROIT 32, MICH



Some 14-64 we know keep producing, miled some for the mature? I gooding a given the hadron "Spound melaness and softwages or developed on one plant has exactly used, but some actually used, but some actually used, but some actually used to be a softwage point. Because of present of present of present plants are supported on the present plants are supported on the present plants are supported by the plants are suppo

Also General Mechine Shap and Steel foundry Indiktics

We see the after per complete facilities and engineering
maintenant for the production of detail components for skently
products. A templete and the production of the state of the skently
products. A templete and the production of the skently
products. A templete and the skently that the skently







COMMUSTION should dead show ask time of present should depositely takes and recordery are one

the Cap passes, as a shell in require a few of the Cap passes of t

The red metator energing from the about parts are not only in bulletimes to the complete combination for a florid part of the complete combination in a florid part of the management of the See templates combination from the See templates question and the See templates question and the See templates question such that the See templates question and the secondary had about the See templates question and the secondary had about the see that the s



ore held to a blade-engaged core. They

Turbuse sooling is by air passing



ON CONVAIR 340's WITH

WESTINGHOUSE DECELOSTAT" CONTROLLERS



HOUSERA PRODUCTS DIVISION (A) WEARING, PONDERWAY, ASSESSED.

two steer cost. First-state states bloke over held to the technic dails by the time of finance are severated by the notes as-* Bourier. Turkee Cooling-Bourne

kinc soucceted with a sample oil say

STATION WEST, Asso 14, 1996

CASTINGS



piece. In Vernoe, Critician and Budespare, Alous makes comegn of every trop - mad dis-

M carties rejection is a problem to your about. pers proce-was with the connect and are held to wakes added? Our plants are producted die carriers at every se, and so finished form, less expensive than, econoders parts to cast toon.

Chances are you haven't rates the true lastcompanies about the comber of couring process.

ALCOA ALUMINUM





Kearlott new effect from production the smallest, accorde late of Sensitive avoidable These Transmittees and Council Transformers,



KEARFOTT COMPANY, INC., LITTLE FALLS, N. J.

valve encorporated in the system to procatalistics of a fuel flow caster, if A high-pressure fuel pemp-a pro-

►Steeting-Electrical states, primers

After the engine is morning, the

Windtunnel Experts Form Organization

Participant L& 1 Constant 13 Obs Others Region Wheels 14E W Rose 2: 1925 for 153nd Street 1566 for End Ame. Les Angeles Calls, 140s ford 1516 9:

Valve Manufacturer



The Postdam: A first control records was follow after ADD house of environ time because of excessive lenkage How It was selved: Following a meeting with the ex-

1. Respectived valves showed no same of police; or 2. There was no monography lenknyy-

CORPORATION LOCK PART AND AVERAL CHREASO MEIGHTE HUNCH 1 Electrolized valves showed no signs of militar or Following promittee tests, the unit was necessed

2000-how engine rest

What it can meen to your If you are searchest for an conbus some of the difficult engineering problems that have been solved with BLECCTRUELERNG

Dete

KOCH ... World's larrest fabricator of moulded Fiberolas products



This is the only one!

This Petergles carrying case has been secreted be Science ME. C-(1500(USAT) First personal

1.1 This assertification covers shipping cases capable of previding Method IID packing tion MIL-P-116 with so additional nackaging of the case.

12 60 feet of water without backing It will not dece or puncture. It is fangus and militime pound to merefactures of williamy or civilian products that good recommon promotion in handling, excage or shipping.



Navy Contracts

News Anaton Supply Office, 700 Efferment Nit Co. 15-1801 Separate State Los Antales et reignit leg sid State for seem \$1100. Send for come \$11.000 Realth Autobar Sendin Products By Branch Street St Morrow Cong. Sav. 13 Should bit Server Worker Cong. Sav. 13 Should bit Server Worker L. S. J., mobilities and server control 121 may 201 Hd.

Chanachinary Twen of products Co., 2011 III.

Line 340. Les associe les credit finish-weight 15 may 455,271

Debries Wife We. Ell Proprié de Week par Andres Dawn Engle of promis parte.

The PAW conducts, 500 100 artistion Com-Shorted Sec. 5: Sewed St. Mingrice, N. 7. and \$150 Mil. Nyffee Augu Res., 2010. Whethe And. Start bank Chill. I below of values and space parts for range, 156 500. name or case. 10 nd naveal and Padens Sections (esp. 110 Gents Are. Philipsyles Fr. 110 eat match for fellowed substitute pro Tancia Laboratories, Inc., Marganetic Early Laboratory 150 on 1771 641 Seet Wes Co. 1570 West 1870 Seet \$27.01 Manual Park Mby Co. 11500 Econol-for Adm. Formary, Cold. John, \$102.700 Saddy, School Comp., 31 E. Sharon M. State. Forters, Call. State \$22.055 Sprace Viscounted By: Monte & Controls Core, M. Piccont, St. Additions, Man. Cont. 10 (1) 171, 191 101 Til en. (15 tol.) Surger Works, \$3.50 Wandinghame Electric Corp., 1901 Wolley B. 15da-bights S. Fr. Contactor Crypto headed III.57I auglies speed betts for

Career-chance of a lifetime for

RESEARCH and DESIGN SPECIALISTS

in LOCKHEED'S expanding Missile Systems Division

makes these assesses authorizing economical for achievement. The conditions call for LOCKHEED has openings for:

Research Specialists with broad expansions in mapple applicate Design Specialists

In addition to publishing cover occurrenties, the Mosile Sections Debber



ANATION WEEK June 14, 1994

USAF Contracts

willer I on thorne his set, 10 m., maint, of copy over, \$1,150.000 Principle along Mr., Parchite Hanne *22-00 L on \$225 and Frencher Armeline Soup, 155 W Calcudo L Zundern Cally, space parts for fun-Colored Enterty Co., 1 Jinsen Ed. Cla-inness is Oble product took and givens too dies readened. Edit, 100 descript Emotion for, Deliving Otto-descript Emotion for, Deliving Otto-conversion of rest rolls, backet, of her reals for may 1970-199 Fore instantion than till University Het-sielahe Mote, heater gen, and til type 1-4. Erett ma. Till Dil Radighan Ca. Yill Maya. Cally attal repost data, more posts, binct/19. Spany Syrmanupe to Ett., Spany Carp. Junta Moth La Z. W. T. India and raphy. The star of the print of the print of the star of the

PRODUCTION BRIEFING

Saredy Office, Nav. is also some

Printelline Cop., Narville, Cons., his received a \$1,520,000 USAF con-

* Reves Copy of America, execution



5-Place Utility-Single-Engine Thrift!

New Course 195 Offices Greatest Room, Lawrey in Sixele, Engine Field . . . 12 All-New Features!

Cradial Confee

For all Compare all The one and and mobius that often hote

Emerge Ratio and Fluoragent Corp., 72 Ehrld Ave. New York 7 7 shotte. PROTECT METAL with METAL THRING SEAL CAP PRODUCTS



The Accepted Standard

Where the Park I'm Printer No. 7 and

wholes day 100 Jugates St. From to the 12 Po. proceeding models 18,002 Wrotes Electrical Lade Corp. Rottles, S. J. Participates and behaving, 7 mm, 48124 and

use he have dear time to titlestone at mornior at conce by coming

TURING SEAL CAP. INC. IOS WIST SANTA ANITA

for NEW YORK INJUSTRALIED CATALOGUE and PROCE LIST. (On your Fire detection) placed

SAN GAZRIIL CALIFORNIA

Hinaul Earine Saves Horry





Equipped with "Crosswind" Wheels



Boeing Opens Giant Flight Test Facility New Scattle establishment were latter to moved collection.

and analysis of data on highspeed jet and turboprop aircraft.



By William J. Complain

Souther-are operated right test prome or over all all following plateme or over all all following plateme or over all all following plateme or over all all following platements of the makety special following
privace Cy- began

following plate (Ty
following plate)

In delibers in the part of the over
In delibers in the over-

and \$6.7 Statistic Experimental Packs
First saids be operating mere than 26
The saids be operating mere than 26
The fight temperature with a mere of the control of the company of the com



LANSEST UNDESTRUCTED DODGWAY in country is show made for 750 ft most of many factor that have it handle

AVIATION WEIG Jam 16,



with a constant-speed AIDLINED MET-I-MATIC propeller by

The Man-L Manic propeller is unique in as olse proscularly ba-

Seeled in Lankey Libri. Hydraulocally approximate colors, affect changing. Mall MW consists with





As selecteding challengs for areast design engineers to work electry with the project sequentiers believe through the prototype stage new developments at

YOU'LL LIKE WORKING AT FORD INSTRUMENT * Two Works passages with your

Nr. P. J. McCoffry, School 4-9005, francise 416. FORD INSTRUMENT COMPANY 21-10 Theorem Are , Langisland City, W.Y. 122 contains from the Artest of More York City. savesible for switchitten of those do and strengthic help handles sado Porter Ersenson-Bouar's conce. his ever been called on to braille

course officency by death deficing changes for conditation with notice

"We are upecalists to diebit testing. It > Good Hangar-Headquarters for the



How side panels of full-tempered, bent Flexseal Duplate are used in the Douglas F4D-1 Skyray

A report from THE PITTSBURGH AIRCRAFT GLAZING EII E

Each side panel has an over-all use of 20" x 50"

For man detailed information, write Purchasels

"If their full-tempered notated place slove and a Plac Class Corpusers, Sports 4273, 632 Fort Degrates

PAINTS - GLASS - CHEMICALS - REUSENS - PLASTICS - FIRST GLASS TSBURGH PLATE GLASS COMPANY



d'abresse pictoré graties roit. Avadable well: the new 'T-1 Super Contron Firethie Besix wheels Met, emperature, and, plence with interesting the landing where are prough the larger experiments of proper experiments of the proper experiment of the proper experiment

over surphess in wholes do the place of the

*Communications Vital-As roses for

eithout leaving his desk terms firm" is operating on self of the hange, there will



AMERICAN LATEX NEW STAPOAM

From a liquid — powed in place. Strength to tilling a racing remade (see seet page)

Stafoam-Strengthened Blades Lash a Roaring Tornado Through Boeing Wind Tunnel

The world's larger privately owned used truncl uses Sudians to give as fan Males, the attempt to Males, in transmit spile. The transit is a part of the Beering Arphires Coreguny's Edmand T. Allem Mensous Accountied Laboratories in Scattle The unemployeng material of the fan Males, a Sudian, the name



Efficient, Fast, Simple
Mide for Brong Jone wed stated own cask by Berry Juplese
Couptry In South, Cooplear Ancesti. Corporation in Broats, and
Jones and Brong, Jones and Stated in In Antique's Illney on sercionis with Figal Allyla STAROM does nevy such the mounty for
corting and shaping, one and then principating desire given removal
menthes accord the own natural. The pain and both consider for and
makes accord the own natural. The pain and both counted for each
making and and and southern one painty and the mounty of the
making Quelly Jones devokation group leads such never yearly
making Quelly Jones devokation group paint such nevery study.







- "

Shatter Resistant

Stafoam's Astounding Variety of Properties and Uses Foretell Countless Patential Applications

tell committee Foorman Apparations.

It applicates on a seried of the works observed as careino conditions, gainfrong, that it will irreductione muon manufacturing method. Cell not observed of all descharings can be closely controlled—verying from a meety one statemen or closel is it as led whereir Foundations concerding neighbor, in densely, and occurred our perpendit at well. This idease handless range widths immersion means that Subsect on the formattee range.

Cross serious shrough STAFOAM Idsilesse showing bettern and lack of erbling near bolic made by 50 rollins made



Physical Test Values at 70° I Lord scaled profit to decreased from our







NOTE Beroom of arrow benchmark to all substitutes to recognized to the plant of th

STATORIA, a registered tendensisk of American Lines Probate Corp., is naturalisetured under "Licuitorit parents owned by Lockhood Sarcosti Corp., Barbook, Grid, "Experient Tendensish of Lockhood Americ Corporation."





*Toronitter Intelligens-Temperat

Bomare Missile Flight Analyzer





VISIBLE TAPE ESCORDING, when elected needed which continues awhere of



calculate. Here some of the complex 600 MAN-HOURS LATER, for days after the mostle facts, 7,250 ft of manufac tipe has been converted into period code which they had a platting mechanic to produce my Corp of Bustoni, Calif., is tood is graphed planet of the mode's fight. As some in 1 600 graphs, each 5 ft. loag. he Boome to provide at largery takent. Supplier with movies, still photos, and occiliarians must then be surfaced.





me are six conditioning overne. ser-turbuse drives, exercels and other presentate accessories for are new being billed for unverti-

speed power turbuent.

Frite to S. T. Syrtlex, surfacing year qualifications for shore steerex complete confidence, of course,



A State of Brights Spring & Brights Securities

with an electronic sount. The process 4th auteority on each beach in the sar compensal counts of a scales, are buy calibratus. Carden, modified transactor: * Transfer calds artura by which up to take six gels a neek to do, percessing . Special power pusels for the courts. better then 2,000 data moints in an associatrion which have voltage and a lost of small reclased hords reach . Sholded mea, by anteriomer-for-

"We should know more about the *Static Tests-B S2 static testing all pelet, K-1A bemberg roters, stelkkty

Flab Highlights-George Hernel, en-*Besic power supply to beach loca

ranking film from the photo-recoder: *Environmental test chamber built by



bellic plates and all filtry wests, rather head recrossed conductor symblety of rach

and but a succession of Thonder-craft Fahters have proven extinut over >> The mobile THUNDSHICKT of World War & established THENDERAY which exceed its force on m ficker bander during the Karene War is with our Air Force and our ollies in NATO. P. P. Die sein TRUNDERSTREAK, com in service. THUNDERBOLF each product of Appublic's know-how mainnepuning 🚳 Aviation

SI/PERIORITY...

Couldes of the Samonpoole rose worker worker

Ask the men with the most experience...ask

S. FLLSWORTH SIMS

Prints of William G. Halm

"Web me, that heard is Gulf Desertations a better line of aviotion products. Where available,











FINANCIAL

Constra	Subresi Frin	Rately	Don To 1887	Sareni Mote Quelittei
America Septil Septil	18	Apr 1 200 No. 2 200 July 1 200	10000	7
THA	- Ec	Sec. 3 500 Sec. 3 500	15.000.004	1960
no.	The state of	Jan 1 364	200.00	700

Trunks' Senior Debt Credit Is High Standing of sirlings' long term obligations is an par with

those of prime industrial and utility securities. Almost unnoted sands the face . Profible Receipter-Reference the

truck setmes have ben-term oblin-► AA's Experience—American Airlines type of securities, particularly of the subsect, because to deteriorate. Never

added to "secretor" its acceptance . Trans-World's Erbeund-TWA, un street sevents. When Sentill separate the leadership of Ralph S Damon,

that two, a botal of \$10 million to

some. The Server B struct was called for endresston on May 12, 1961 Conjun down to Am 10, 1954, to not extending. This corrected of time and \$1,032,000 of the old 34s. recet, sees: 530 mileon priorities the ald No at 96 Feet, up 1946 and could report a holly net worth poyton of \$18,571,233. Total clobe of all brace arrespond \$11,500,000 at the



he enhanced a presentable memory among amo

rethrology specifism of its older furnetion as showly and most fine for a new as body and the state of the most than \$515 viction.] However, the showly present to recromorable of the showly present to recromorable present older sholded. As I four's imperiment older shell by the memory companies. A \$15 viction was all the state of the contrast present of the specific older of that year and 1984, the state of the state of the state of the contrast PIPS features. Expose A believed opped assessment, that had been mentalised by United. and the rint of the indutry subsectionly control was all the state of the state of the present of the state of the

to the time missioner conjensus taken to United young circle; parked to the history of the conjensus to the first open the conjensus to the first open to the conjensus to the first open to the conjensus of their point would be now command a forestille cords to very agent to their points would be now command a forestille cords to see the conjensus of the modern to the conjensus of the modern to the conjensus of the conjensus of the modern to the conjensus of the

of accenty as well -Selig Altachel

ANATION WIRK, Jose 14, 1994

New Selective Calling...From Ground To Pilot

Made by the leaders

No more pilor hesiphone faigne! The new Bendlet SCL+) Salective Calling System (SECAL) given immer sometisation due a provend maior in collean. The notification under by a light or chiese. . . . Christating the need for constituous use of hesiphones. Either a single or dual SECAL system can be provided in one with histories Calline Water's Small.

The old ware celling method in replaced with the crossministon of colod more to the alternation, over the regular lift or VIII communication channels. Both strends may have a specific color and promotion for proop celling in a single sun. Two paless we saw from the ground cit. inquiring approximately evo records for the complete transmistigs. Each pulse real-side was ones, making a road of fear frequences on power fills transgering. The mean are received by a decader in the sizenit. When the uniform does cook is received.

seed ordigit signal. After the pilos is shered... communicarion is carried on an the normal feature. Vinel Statistics

ARTNC celible tubes . . . single unit weighs only four poends. Mere than 1400 codes synfable. Day to consee dat over so thange forcessory and easy to surrow. Resonant Reed Relays from 312.6 cps to 977.2 cps. CAATC #185-22 for further information, write the office nearcest year.



DIVISION OF SENDIX AVIATION CORPORATION

SALTIMORE 4, MARTLAND

Sendi April Date - Dat



ARROTHE SELECTIVE CALLING



Comparison tests prove Parker-formulated rubber O-rings successfully withstand fluid, temperature, or pressure conditions













2. Elementon, would proved and your 2. Raid and temperature was check man compresses securitarizate determined comment petitings to eds, feels and

AVIONICS



Slice Technique Cracks Coil Bottleneck

Tube of metal foil and dielectric is cut in desired thicknesses; new method opens way to mechanized production of transformers-

risolar code, by wooding a sheet of Fielly Automatic Production-Solvense tondorner, including window and to get a USAY contract to develop such

Selvens regions estants that the recknes-

2. WATER with world study because for connections

rotting voices, etclose and resolutes. Filed Resided Automation-Domite

A SER WAY of weather such any productors buildened

Printed County Reported-Printed

valety are elebed to somew beaut

to it pow! The best advantage programs on planted well in advanta



in only one of recey sours who have loged that Baloks precious DALOHM RH-250 (250 Wests) importion to meeting, comple world construction, TC 0 00000 write . wire . or call



IT TAKES TWO DISPLAY ADVIRTISING · Accuses Internst

DIRECT MAIL . Gets Ferrenel Attention

After your property has been concluded by COLPAN ACADESIGNAL for all most trial one



Asiation Week Picture Brief

Dutch Radar Merry-Go-Round



DUTCH TURNTABLE GCA, a pertion approach radar which can be refrated to sever averal passers, he have as attention at Schooled Agont, Australian,



to robbed up to 310 degrees at 56 deg Janu. Turntakle design congruent with

the feel wondings, or by other number quency response over the models ranks. Philadelphia 5, 7s. Several waters may be exceed to: "no better, no maps," than for con-P Concention-On the bear of heated the manufacture of pales and but tem-

Improved Precision Resistors Announced

cently annuaced. The new 'Kin-

· Cerego-cue ventra et Accesos

bon filled neuron, Models RX3,4 5.

Missieur escapalited woomound,

· High-frequency massion. Type mem of 5, 18, and 20%, sepontally excepts NEX-R 19833A. International Resistance Co., 401 N. Brood St.,

Makers Give Details Of New Transducers



"See how NEEDLE BEARINGS Simplify Design"

The tarned-in lips of the Needle Search return labourers effectively ing staff will be glid to help you with your auxi-fraction problems



TORRINGTON NEEDLF BEARINGS made a fatered bile a facest bile a failefund bile a bil a feels bile.



Get things going... keep things moving...

On-the-spot consultation may apell the difference between borns or penalty. Men with the right sensors one seach hand-to-pre-to locations

right services eas seach had-to-groto locations with a Battateaux.

Offinitions it's possible to hard your company Battateaux at the second seasony, or sectually within remotes of the suspertant upon Furtheremportant decision, with no wany about making, seems necrotificat. Thousands of BECHERAPT owners duly are existing their travel time as much as 75 per court. If you are "presend for time," ads. a BECHERAPT of the Decision of the Property of the network Or work, on your company letterhead, is Becch Arevella Corporation, Whillis, Kanan, U. S. A. Kanan, C. S. A.



APER ANY THE ACT WATER OF AMERICAN ADDRESS.



SMALLEST acodescenter, mys melon victorizations and infernational par-

comments of contractions. The second of collections are selected to the collection of the collection o

New Avionic Switches Come in Small Sizes Circle soluble design in a value of types stable for select me, have sensity host areasoned. They as clude both switches and colors. The







components and essemblies

Components and essemblies

WHITE INDUSTRIES a seeing already encounter measurements and constraint stations for the control of th



Sister Electric & Massificturing Co., . Botum-refector switch, consisting of

. Doeble benk switch, soon school Relay is available in borners ofly soried

rws datale. Manufacture a Serval

egiserou & Marat Co. Laux

* Ashes Ter New VHW-Sevent on suchida avanta components, is exlast, includer United, America,

hibri be Technology Instrument Corn.

Vans St., Acton, Man. ▶ Nathan Develops Ouse-New

* Color Storage Tabe-Houles Aircroft

competes at the rate of \$300 calcular . PCAO Art on Nor-Aldo-Consul FIGIC Reset Doe-Final scoot by security by the International Cod-

roes from strending the three-div

On New Orleans Airport
It's Magee Aircraft for Service!



Our Custom Design and Production Service Can

* From Plane to Reducte in Plantice and Rubbert

VALUE OFFICER

AVIATION WIDE Jun 16, 1931

awarded our efforts. Looking back, we see that our most darkbories and fire countries were only a few of the many R. W. Mares, President, Marcot About Company, Inc. DEPENDABLE ESSO AVIATION PRODUCTS offer high

"SOME YEARS AGO we focuse the propendous postucial increase in the use of business aircraft has similified and

A LARGE WILL COMPER MANOR on Specimens Kills Mileado Ares B. W. MASHI page in long of



Witte Apr. 35, p. 32) and its close ful for storm and terrain norming comments, the floatish Devise Delease ► Se Specife-Engages should be reco-

Both or esqueen is GE's social torefamer emertural. They super

►USAY Standardization Study-

Hardwith N J Earweiles By smiled presentace, Velidit Hottletch Sales Die Deller Ameri Chris (4) Swithers Siri Long brand Chi



Altitude Pressurizer

Save up to 150 lbs.per Plane!

with Acroquip 617 Lightweight Air Frame Hose



THE FITTINGS WEIGH LESS! _____ Extremely short soriest design uses less metal cover the difference is weight

THE HOSE WEIGHS LESS! Thin well construction and less wire

Tech arms the services in weight where Assessin 617 habitualishi ali kuma hasa muluras correctioned truss for feel and of hous. On one fighter pleas, weight was redeed 35 pounds. . . en bembers, no much es 130 pounds con be saved with no smothes as per-Accessin 617 hour has been helpd, approved and excepted for 125 P.S.i. specifies: The flam laner labo-la recisioni to sambalic lubricating elle mode to speci-

Scaling MS-1-7008 on wall as populated products. ANTZE Carrier and standard ANEXE sector make inshought, 45° and 90° obove. Sizes ore -16, -26 24 and -22 Dis is enother "Assumis fee," festudes have end fittings marked for government performance. Write for Avenuel Engineering believe AIE-2.



AEROQUIP CORPORATION, JACKSON, MICHIGAN AERO-COUPLING CORPORATION, BURBANK, CALIFORNIA IA Solitifiery of Agreeule Conservation Hamelacturer of Auromia Florific New Lines with date fields, revealed Fittings. See Lines Condition. Broad Mississon Efficient EXC RESPECTIVE A LEGICAL GARD SET I'VE WAS WASHING. * WARRING MEASURE WE ANAL MARKETS AS DECISION IN IT I'VE WAS WARRING MARKET MEASURE AS DECISION OF A WARRING MARKET MARKETS AS DECISION OF ANY WASHINGTON AS A WARRING MARKET MARKET MARKETS AS DECISION OF ANY WASHINGTON AS A WARRING MARKET MARKE

Advance

Gear & Machine Corp



WHAT'S NEW

Telling the Market

the arenth and albed collational Water to Boets Arenth Net Corp. Newsli. Cora.

Check Cheet for Selecting. Concert Dants at designed to enable countrinaire resumage to those paret to meet the protection at all conditions. The client is enabled types Wither and Wil-Jauce Co., 120 Lincols 93, 2000s 35, 2000.

Part & Whitesy encounce publeases at all more of layer college better at all more of layer college dates. West Hayteld 1, Chen.

The Texans Sparin of Matenda from Part Sparin of Matenda from Part

New Office

Federic P. Kindall, system consolven, has apposed offices at 17 Main St., Wortpart, Conn. Telephone Copins 7-227)

Publications Received

hypothost Figures or Hemistodic al. a. Exgraphy-New Desire of Studieds, Apgraphy-New Desire of Studieds, Apgraphy-New Desire of Studieds, Apcillation of the Control of the Conciliant of the Control of the Conciliant of the Control of the Conciliant of the Control of the C

AVAIDOR WHIS, June 14, 1994



NAVY CUTLASS

Chance Vought Auroff uses Conselous an exappressure on BYU-3 Cuclass, superstant Nasy resettings. In specifyin Cameline cocupates (Chine Vought acopyrated the set for a compensate that would perfect well at high ambient examination and should perfect well at high ambient examination and should be set to the contraction.

These Exclusive Design Features Show Why Cornelius Air Compressors Run Cooler Than Any Other Compressor

Cooling fits is 8 rector in diameter with 16 such pinch.
 Cooling fan rame at 5000 RPM.
 The six cylandric have a med fin cooling area of approximate 200 senses within.

PROPERTY OF THE PERSONNELS OF AMERICAL PROPERTY AND ADDRESS.

- Inside when are located in noise of cylinders—use in her cylinder hards
 Finant cylinders are made of alturatum to provide for more mpd here transfer
 Hose generating point range are not used
 Myta have a requirement for a compression to operate and the hard representation and shrinder conductions, reference and the hard representation and shrinder conductions.
- permit us to bissuit additional reformance registing our mans. We will also plefty supply congresses on conseguents, so qualified uses, for sea and evidentics CHANCE VOLUSE



FOUIPMENT



HERM INTERSETY PLASHTURES tended; referre distance and discounce of motion of

Taloa Tests Anti-Collision Lights Odderd, Criff - Tresscen Ar: Test Bests Inform-The Madam below

levestee of the notes is a Time- Loca is countring a test of the lights on the distance personal leads now

oft fraction and Bushing as a capid aft of night, the airbox reports. On a give Profid Debry-Thou lates, alcon-

The lights also use visible as the days vid between each set of hulbs. Each. They cannot be controld with labour system consums a several light day to of the hight can be seen even at low continua. I A Merithy, yet, uncodent, the necessity of placing one help on neglected when approaching ahead or engineering resistances

· Retains to consent the both-refture . Rotter evolve device to operate the a Necessary wayne and features

UAL Expands Base For DC-7 Fleet

intensity is sufficient to be veside as much topould to a deficite farms. Medical

The Markon lights 62 the names agrees are modified to Deired street

out the applied consecution. They Physical Seaso - The application

Middles reports the sengeral metrics of the simply to the additional another



HOW HOT CAN A "HOT" JET GET? Avien's EGT system tells you-4 times more accurately!

Previous exhaust gas temperature systems permitted accuable service conditions. Access MOT system in commute to ILFC under all service

Aven's EGT employs a standard thermocousis mounted in the jet tailpipe, as other systems do But there the simi-

. A self-belonging bruder that region the system.

of -55°C to +70°C. · An economical main dial and a vertier dial which







will solve your fastener problems at Lower Costs!

ON RICE WILDS CONTRUCTION The NYLOS extrapolate hole from the quely it sty profest meted to utset year bulesing problems. We're, sind,

Main Offices and Festery - Elmira Helekh, N.Y.

Introduction of the DC-7s Turbo warehazed for the Turbon but this also

from 1,500 to series 2,000. A new

►UAL Madefeators-Mayor meds the compartment sholf is unaffer, After tests made in a reading of the would result in much finler become

Many of the United metallations are

check includes installation of scots. AVAITON WED, Am 14, 7854







Behind the thousands of AEROTEO B-2000-KW Pitor-Indicates and Check Valves used is stroke are models of development and tests. An inspectant under feature of the centrel in a solid metal and between which housing and food chandles. The ords in designed to functionat a specified formation. Metal to metal valves metals; extraction of the contracsional production of the contraction of the contractation and assess long fig. The AEROTEO B-2000-KWtes passed Sept. MILE-8277 and is suitable for finel ANYtes passed Sept. MILE-8277 and is suitable for finely and the passed Sept. MILE-8277 and is suitable for finely and the passed Sept. MILE-8277 and is suitable for finely and the suitable for f

Modifications to the full-relanguositications of the II-2003-MW are available Clause electrical execut on incremits fullflow at 400 Hz, yee hr and flow, respecting dental when fast flow decreases belong 400 in the Maximum pressure draps through while not over 2" Ho ii 1,000 GP if the Check value for description of the property of the deep not exceed 1 mill Highly per million that the property flow does not exceed 1 mill Highly per million that the property of SV was 0.4 "that he manifold the contract over 3 Million and SV was 0.4 "that he manifold the contract over 3 Million than the second of the SV was 0.4 "that he manifold the second of the secon

Cover were convenient and of status or reverse have does not exceed I willfullow per relative when pressure from the control of the control of the control of the control without an experience of 200 dealle supplicate from second to the control of the control of the control of the control to the control of the control of the control of the control LeA AREOTRIC'S qualified engineering staff ship solve your assessation central preclaims in the attention facility for all owner sensation central preclaims in the attention facility of the special line is not, mody to serve you. Cit's ow which him today, the control of t

THE THERMIX CORPORATION

(Office: a oil principal vicerit entero)
Georbe Affice: 5. C. CERRO, 12. Assemble Monte: Francis Louis

FLORE ACTION

FROM CONTROL OF THE CONTROL OF THE ACTION

Despensed Manufacturer of Autopatio Control—Voler Displaying, Public

For Child Control—Francis Viction Copy, Author & Despensal and Autopatio

For Child Copy - Francis Viction Copy, Author & Despensal and Autopatio

For Child Copy - Francis Viction Copy, Author & Despensal and Author

For Child Copy - Francis Viction Copy, Author & Despensal and Author

For Child Copy - Francis Viction Copy, Author & Despensal and Author

For Child Copy - Francis Viction Copy, Author & Despensal and Author

For Child Copy - Francis Viction Copy, Author & Despensal Copy - Author & Despensal Copy

upats and food hours.
"Herbo's BC-Ya well be as transcenttrained nearting amount from both Sanrates on and Los Angeles to New Yesh elver the end of July Scheduling of C-Ya on the Handalia son thill it was friends," the audien says, but in ex-

NEW AVIATION

Chirce Portions Products Inc.

New Hand Grinder Offers 700-50,000 Rpm. Range

Metal Removal Co is antroducing a recommendation with special sample am 700 to 50,000 npm Known as "Ultim Flox," unit has



West's forest a Property of teach the Bull Streets

That restacts. The world forces border, the few region left closure, model the reside legative stip in this is, useful with a captury qual to the of a produced test test. Which will be a produced to mod. Which the capture qual to the of a produced test test. Which the capture of the capture

built aft footbages and rehoting pods for Bourge KCP7 midar refueling plane.

These recomplishments point up Ryra engeneering skell ... skill that has been speculoud, (openious and senante for 31 of the 59-ways more reviewed from the burst. Mores continues. Rese

RYAN AERONAUTICAL COMPANY







previding transpartation for people or products ...

New applier No. 53 on respect. WOOD AND MITAL BATTERNS

he. Johns moter with a V-belt



Die-Cutting Trims Cost Of Custom Wronehou Process for carried character of custom

The company employs a stamping raethod for production of almost my Under this process, die Me is and Drytay Ropey Mig Co. Mana-

> Flortrio-Grade Plantie Fray to Machine Drill

National Voluntiand Films Co. his coper to warrious than other elemen

The new luck-corners lowerste w

AMAZION WHILE Jame 14, 1934



When products are undefined but performance can be specified

the Second Treatment Distance of LTLE may be belieful We don't ctain to sales all development problems to meet seeformation specifications, but no may have the answer you're looking is supersource. Our current property range from design, development and fibrication of Radar Anteres Systems to equipment to operate on advanced Thermodynamic theories. Whether your problem is alloys-you'll want to know how this unique organization can

RADAS ANTINCA, STORMA NO PRES. They are major has and companions THERMODYNAMICS

Fings, development and processing of

EROSPOTE SUPPLY OF REPORTED REPORT processed producting splinning and deposing to on placed incident resident of depleton in a wide consec-





Warner Doubles Plant Focilities Steps-up Precision Subcontrocting Work

TWO Warner Striples of Debuilt Harvester

In addition to permitting on increase in the production of hydroulic units of their own design. rien oferes Warner to a maritim to take on

edditional precision subcontracting work for oircraft and endounce elects Cardiolica on Warran's ability to manufacture

Hydraulic and Freumetic Assembling

Contact our hamp office in Battely or the housely effice record to you. Warner employers will welceme the expertantly to serve you.

I I MICATURY 520 Meet Annue, Soom 212

2242 Facest Park: Blod. In Angeles 45, Cell's-sie Phone Cubent 7,1618 Part Merch 12, Seaso Phone Wilson 0335

C. PALMER BOYCES

CLEARLY DIVISION OF DETROIT HARVESTER COMPANY 14000 TITLINAN ATENNE . BETTOIT IS, MICEINAN ---



NEW PLASTIC Set sale her better or Grade XXX) and mosey-bosc melanuno



HOLDER for thomsener curbate black. No Carbides to Grind With Holder-Blank Setun

The combustion of a pay tool halder and "Strow-overs" carinda blooks The tacholder is designed with a well cetting range for single closbenker width, chiminstag of clapbroker render. The applications are also consisting

KNIKTION WEEK Ann 15, 1954

BLUE SKY ... 28,000 INSPECTIONS Excepting even used Arr Farry removements. through more than 20,000 different properties before its rapid.

FROM

Working trader immediate actorishes recorded as a

BLUEPRINT TO

model for the entire alcorest industry, the Foirehild Quality Centrel team inverse toposet quality in tools, materials, mays This includes important of the more than 22,000 parts that go

into a "Flying Bencer" or well at more than 0,000 neonable-fine C-119 importions are applied equally to its prosecond-being man, the Foundablebook C122.

American Behorspor Excess, Marketten Breek, California Fagure Dresson, Fernangials, N.Y.; Colded Harrier Brezzon, Wandrach, N.Y.;





World's largest high-alloy weld is 67 square inches... IT'S BEING DONE AT CLEVELAND PNEUMATIC

In a bilinghor shoper of sourly ten sold steel length in only 168 severals . . . er . . . Two beavourall alloy steel takes \$6° in diameter, I' wall, out he speed with a weld In the Circeland Pneumano plant, the world's This machine can but weld high alloy steel also tells you how our samuch so 67 agence inches. With low-carbon ment can work for you.

resternal, this area can be as large as 200 A limited amount of this suchine's extra

Wrote for Booklet D-64, chape and its execution, and



SALL-SCREW MICHARITMS + ARR-DIS IMPACT ARRORADS + World's Surgest Manufactures of According Com-

AIR TRANSPORT

SAS Ready to Fly Polar Route to Tokyo

· All operational problems SAS Los Angeles Agreement solved, executive says. Talks between the U.S. State Depart. Its neck reconstruction of State's eather · Innenese air aerroment

elears political barriers. This is the inconfine circulation in The philos are Los Aperles gravestes By A. W. Jeong McGuer Hd Wood Need

Supplements Arthury Section is West South, SAS also Secure the field will by next spring, SAS mecative sare pensi-dent Per M. Bucks reports

Show Demotraces has saled for an

services protestic tree encountries in-

Takes have the Pole " With her six. This would have some entiring of the todic, better worther conditions and artime's nines to fir you Furinsia and

more than so hear from some Consider ★ IAL Intent-No solding problems

steam are over the North Pele. Nor-Flying time by render systes from

between Only or Concellages and operations at Sheore to the Alestonia. Gorbel soverer

Flow Hugh-Lotes, when SAS scenner only at Bodge and Fachanda, a From Thôpe to Europe, that should

orabably are less desertings than sharks

Weather in not completed sen peob

CAB Awaits AA Crew Time Reply

revented a negle from Assurance Authors tion As of New 11, the radge but been maddle to meet CAA Administra-

phot "squest neither a perceeding person or re-section the perceive American Arriver is received to an

flows as encess by busin scheduled ancide on a water Against accompled to CAB Cuts \$2 Million From Braniff Subsidy clams that if milits are recreated to do

Card Association Resid has riven the · Recommends assign one calculy at location for Benefit's Roots 9, which The offets' seem charges that Amercountry that a "maximum subside" of and AA then attempted to have the . Proposes a subside ellectron of \$1.

New TWA Nonstop Application for two montes mention at 7 in 55 win. First time for the other costs, San Panahen-New York,

of what we may exceed if the situation

"Should these movem be granted and

declare. " The requisition and ra-teduction into revenue service of 23 Convey 14% within a solutively short period of time his medical in a rab obtained had a least receipt of Copyrig

Mid-Conterest Askney pror to the

"It is settled Board colley ... that resistant substitution of this chora-

Avenue Mat Continent mornibuse CAR Asks Subside

Offset Legislation

Donolas Forecasts 100:Passenger Ict

met/ Clab of Los Aurity, Donales

*A 400,000th, toxpost country of



OA-Chee D.C World Next Roomby Colombia-A 531 million \$25 million propert development pro-

Colombia Building

Five Big Airports

a Recent International Airport 512 mil-. Call Integrational Aspect, where · Businesberreis sear the later of fichi on the Mandalora Rever A 6,003extended at \$2 pollons began faut 15 . Idead of See Andres in the Corb-

IATA Unit to Study Airline Copter Use

sad supdatory problems found by



W. Flynes, Undergovertary to Bot



from the control called, shows techniques. That leads toward the cocked. Initial flight

TWA Makes Strong Bid for Denver Damon says his nirline is 'tailor-made' to city's needs,

claims approval would beliter transcontinental system. end-next transcenterated as easier of true. Directs upon 'H is authorized to bornig stags before Coull Accounted Based conveney Feedbased D. Morne. es the Backy Mountain near from \$2 Cour of the case is additional survey. Page to Denver." He chees were to Deaver Trees World Agines semblence of belongs in the transconti-Denver to its rootes between Change transport profit ration which the

Air Lines, which serves Dennes, countend with an application to seve Kan-P Tulie-Mate: Service-Rules S. Dovendy, any settle going further mon. TWA perceived, table the exambeen in the resource of TWA would surrously weaken this potent." greated TWA today flies slewed booth our Dress on its country-

coad constru fifther, he persty out TWA's represed he sees is "token made to Decree's rengaments, and POscopen Plan-E. O. Ciclas TWA's the most appearant traffic candign in Beard approves Trans World's apple stone setesat He nile Devec and could remark the deals to Demonbeen seroush faster, with comme service to Lot Agents, Orkland, Son. Francisco, Kesses Cett. St. Limit. Glacoga, Pffreburgh, Weshington and ► Contobusts-Moor parties arrefred TWA American, Continental Air Columbus Davior, Concepts, Indian Aiding reperting temportaneous meeter runs from Change and Kenten He names New York, Washing-TWA rew mests between Chr.

other to Los Amprico and San Fran-Brigg Airent, requesting a Keesse Underly reporting American and TWA router to the cost because the other extinct seek to daplicate UAL's Western At Lines, opposition re-

capo route et despisally sold to United

dryp the unit opplication of Atchings. Tupeks & Sonta Fo Balbony Co., Bancare & Nurthworters Ballion Co. Rock Island & Pacific Redward Co. read Co. Union Prerio Redwood Co. in the and "dot in the intent of brezent the proceeding within remon-

"There is a notable definitiony in fire. FOther Pretiripasts-Bolon becomes coucky's in Wednesten receipter to Denvey service-List August, common Macro cut applications in the case from 17 to

Aug 74, 1953, p. 481 Those severed AA Stresses Need

For Shorthaul Liner Sound estional pelicy remains a American Aleksen von untriderkenung gas City to Los Agentes and San Frant - Reducing Unit Cost-Talk of a rac

raid and a satisfactory load factor con-However, he adds, "to serve the ol-

. Better was sed goods for getting to . Man efficient and effective search

taken. There want he provided non rebby, a metable probãe pagend transpor med by 1965 he may white that this

P. Consum Sensi-On the voternsuch accollegate much on a proper de-

The elliferate picture body good.

of tracel potential, leads on many at-But ACTA voices strong opposition to review, calls it

a 'tembstone' chiseled for nonskeds by tranklines. Now we know whose soles headed."

P Mor or Benda With few discretion scholuled swime efficult on the whole when referring to the asport, leulerstone are, however, that CAB

Sents also on the government's ob-ALPA Asks Revision Of CAB Crash Report Air Line Pilots Asso, Day netwood

P. R., Apr. 11, 1952 (Avvarious Week, Apr. 21, 1952, p. 14).

Cost John C. Born, pilot of the sixtotics, replices that has come from P.Desk Oweresbacks-Critician of the with leasted printing experience to

As irreduction to decorate whether American Aulien' application to some

LA someter resulted on Convex worsels

Frentz Adian and Contraval Ac-

Later permanen to more Puchlo, Colo

refeat , says ALPA. "Nothing in Application of Complemental Total

Cury for a foreign an environ permet sucho-

CAB ORDERS

countries of one finite from Norsch, Nd or at Big Spring Savder and Smothester. Tor, on all fading opening between Malthe standards daily, parallel that my flight constell between Milliand Offices and Pt. Charles 44 Secreta or reproduct to enable

could the cracies to many Archardal, Alader For these promot by For Angion

over of Wavedwood, Chile. 1) Rights for Gordon Ovisit: a Law fac, cremetion to some La Pio. Bolivia, and two, troing and admitting of the Egy: Chale on the same flact for one toy:

Toroncea At Bino compton to po

Agazoner race to Long. John Av.

Best See 1, when on Road Apren ceres for temporary suspension of server

made or Steam Chr. Chie and Toronto. water, Tec, and 60 days after find de

supposes of speed at Chicken Feet, and or Soks, Asprehime Co., Moranth Ar Sovier and Wedd Wale Andrew effective hare 12 union the firm

Saleshed compton of Concr As Tunnert in an reunder comer effective Cone Denny official line 15 order the

Involuntes to determine of Fan Amer-

CONSCIENTED

TO THE

DON'T BUY AIRPLANES

OR PARTS

LHBBOSE

41, Old Eural Street, London, Wil. Sentent

FLECTRONIC SPECIALISTS CUSTOM INSTALLATIONS OF

READING AVIATION SERVICE INC

SENTER COLLINS







Myster for Catalog NETSS warm all a from Apparation and

INSTRUMENTS EMERGENCY REPLACEMENT + OVERHAUL - SALE he feel ourheat, methodoes and notes of souther moneyers. Whether one

Authorized Sales and Service for FCLIPS-HONER + KOLLSVAN + U S GAUGE I. N. SCHWIEN ENG CO. . EXIDE AIRCRAFT RATTERIS. CONTINUED TO U S A F-U S M-CONTINUE OF CANADA ASSOCIATES to not see me man and

des Its Mont International Asset Ward Phy. LEASE AN AIRCRAFT? CERTAINLY JUST AS EASILY AS YOU

Name of Street or other Print WOULD RENT A CAR . . . day, week, moeth, or longer. Most shape are 21-passenger. Some one

15 personner All am fully emissed for immediate use Boulds everlable on short notice. We have an extent and a plus to meet may industed represent the Pa annual and roll watther

LEEWARD AFRONAUTICAL

INSTRUMENT SERVICE Salation Part SUPER-92 FOR SALE

Deepins DC3, DC4, DC4 Cooper-260 --- 200 --- t-- --- DC 3 Lockheed-Constellation Seeck-D-185, C-185 Ledestern Enroetive laterier er

ENGINE WORKS WISTAIR, INC YHTE PLANE Brid FALEPREAM PROBLET



R-2800's

nes entires on that the stee CAA spectral cracked and have bed ACES CAA opported continue in histories the large of the best block board in our

CAA APROPE STEERING

ALL WHEN AND REGION DALES CARRY BUT BUT BY WARRANTY

CAA, APPRIVE SEALS STATISM IS, 1996 WIS IN hillering school POPER FLORE-Close 2 Salished and accountry-Close SurDee 2 United AR CARRIER ENGINE SHYYCE IN PBY5A Specialists

P D. Res 200, Wheel 45, Florida Cubin "Addressed"



WANTED

AIRCRAFT BRODUCTS

PROTEST OF STATE AND ADDRESS OF STATE O

Since the Paris to the profession for the paris to the pa WANTED

Complete Overhaul & Mointenance of All Types of Aircroft WE HAVE SEVERAL PETER ASSESSATE FOR SALE ESTERNITORS FOR SENERCE & LIAM EARDO Southern California Aircraft Corn

1951 DITCHTRY DANAMAKE GOVE

AMBRICAN TURBUNE ENGINE CO. Arminal's for quick min. for will deliver up Pilly 1810, Septem 5 / Darra will new tederior for \$10 000, by all TRADE ATER COMPANY great Radiopol des Chicago II 21 District N. I

WE SET sixty discounted work players, Soul We Bur DC-3 and C-47 The state of the same of REMARKS, WHENCE, IN

UNUSUAL con be found each week

-

THERESIDERCHARGERS

58 Types F-32, F-33, B-31, C-23

SEARCHLIGHT SECTION ANIATION WITH here he need

For Engineers . . . Clear Horizons ahead ... at Goodnear Aircraft Corporation

SCELD YOUR CAREER and help build tomorrow's world with the minutes and lender in higher-than-air coaft. There's a clear,

pressive research and development programs in messlies, elecable to appeble and importantive men and women in the field

POSITIONS ARE OPEN in several fields with salaries based on

Acreeested exprees

Open ego else exist for personnel with ability and experience in technical editing and writing, art, and motion pictures. arrows wouse on opposite a successful a shall be bereason of nurtheastern Ohio, Cosmopoliton Irving, year-mand warts and recreation, address and educational advantages

THE THE TO MAN A CARRES IS . NOW! Write, siving your -qualifications, or requesting on application form. C. G. Jones, Solary Personnel Department

GOODYFAR AIRCRAFT CORPORATION AKRON 15 OHIO

ANSWERS MADE NOW BY 1954

ALC: UNKNOWN

ENGINEERING

OPPORTUNITIES

with world's leader medicar of

light commorpial pirobners

· Design Engineers

. Design Droftsman

· Research Engineers

Send Basses to

CESSNA AIRCRAFT CO.

WICHITA, KANSAS

OPPORTUNITIES. In the R-47 and R-52 A Real Opportunity Exists for an Experienced Top Colliber Weight PROGRAMS Engineer to Originate Advanced For Engineers with 3 Years Weight Evaluation and Estimation or More of Analytical Design Mathods for Development of Cor-

rier-Bosed Fighter and Attack Aircraft Preliminary Design Weight

Experience Essential Write for Interview Aspointment to

ENGINEERING PERSONNEL COLUMBUS DIVISION

North American Aviation Inc. COLUMBUS OHIO

Aerodynamic

DAMEDUCE OPERIORS THE

G. R. NORTHROP ELECTRIC CORPORATION

BOEING

ENGINEERING

a die Conditioner . Heat Trender

* Thornel Autichies

Equally Attractive Openings for Fredmaner with Practi-

e Structural Denamics

· Aircreft Loads

* Flutter Anglein

Sent Search St E. J. P. Melliem, Adels, Sup. Robot States College, Michiga, Special

ARCHAIT ACCIDENT DAWSTIGATOR to back account presented and from Eaglitz by

Plant on floor confidence and

AVEKTORY MEEK Jane 14, 1954

ENGINEERS HARE BRANK WITH A DEPUT AND PARKET

NAME.



Tec, are ranks with a rainfly expend energetimely funces required, excoped in the design and development of our turkers, recoverages accurate

· Senior Featurers # Stoff Englesers

· Groftsmen e Drive Freavors

E. E. Blakeslee, Per. Supr.

Lycoming Division Aven Mile Com Stretford, Conn.

Hight at M=1.3 ... in the Laboratory econstidues in the eleve, it would

TRANSONIC. SUPERSONIC & HYPERSONIC ...

as operated for the Air Force by ABC. Inc. BECKEN -- Accountical, Mechanical. Electronal

EMPLOYMENT MANAGER, See 142, Pallabona, Turnences



THE CONVAIR CHALLENGE TO ENGINEERS OF EXCEPTIONAL ABILITY

Baseout the phylose fact that Commer Or this County has been sweeted Garmently . . . Country has the greenest Committee ... Coordinates a completely As proof, consider this; Contra's deval.

good engineers of proces ability -

Write: H. T. BROOKS, Engineering Personnel

Demartment 200

3302 PACIFIC HIWAY

ENGINEERS Attractive Positions

TEMCO IN DALLAS, TEXAS For Details See HINE OF AVIATION WEEK as Water E. J. HORTON Engineering Personnel

DALLAS TEXAS DILOT WANTED

First marrie of security and respectfully the Marie Communication Series of the section of the section

AMERICA CALLS DEPOSTSVILLING.... Mobile from prices of quelful sale representative with ambiented contacts by end purchasing departments, School conditional research of provinces and

MW-0005, Artective Works 199 M Michigan Arts: Chicago St. 171

THE RECEIPT AND ADDRESS OF THE

PILOTS

"Owertunity" Advertising



... and nothing specializes on pour burmers libr your



A copy of this quick-reading, E-page tips on how to read more profitable work for the "WEST and HOW book

the of a sailer of all proposed by



AIRCRAFT POWER PLANT DESIGNERS CONVAIR

INVITES YOU TO MAKE YOUR HOME IN REALITIFUL SAN DIEGO CALLEOPNIA

take your place in the branches, explorative, session's Convoc San Direck's worderful directs, vertied topography and natural beauty

on a wide variety of projects with Interesting, comprehed cologists. Horizo and travel allowances will be paid. Hopping plantful and

PLEASE WRITE: H.T. Briefs, favorance Personne Corror, 3302 Facilit Hway, Deel, AW-6 Complete fatality will be used obsessed, All resides treated confidenceds.

Le Constit's videbraublidged XFE the new Constit dates were ** switch lake off place disposed, regressed and bulb in Son Disco.

News Sidelights have 10 year the 10th continuous of the first field of the Lockhool E.SO.

first U. S. usoluction let Sebby in Funcy and it is slided to be returned to the manufacture, where it

The first Rell behavior marketed by Helicontry Ast Service, Rec., Chicago, twees of continuous armed service, the operator orports. Five other HAS

A strategalistic global with a design ording of \$2,500 ft, and movement

A "noor man'd" helicoutes, singed at a \$560 patterns of produced as com-A helicoster field simulates, which reportedly can reconless the actual

by William India, contract of Vencours International Associa, He had

AMERICAN MESSA PROSPESS from board World Wor I Confer from to the harlanged District X-1 excepts above a surfaced in the new of the two above The frame, modeled to take a radial engine in place of the Costin school powerplant

AVIATION CALENDAR June 17-25-America Sentents of Electron

June 15-75-Burnier's National Acr Special face 20.7h-Avadon Distributor & Mana bert 25.25-Semponen on Global Commanaction, sponger! by Indians of

Jess 2426-American Helicopter Sector 10th annual forms, Walthriston, D. C. Belt 313-Philadelphia Girler Council, on and Open Home Work, Clade Training Ching, June 1) 17, both or Hilliams (hr) Olichepot By 6-Wester National As those in

nor event, sectioned by National July 13 25-Western Paul Montenary Show to be conneced by Chara & Palas. Bdy PhyThird National Releases Education test. Elympre, Calif.

Che 17-22-Direnghossi Uses al Ave

AVERTICAL WIEEL, Bear 14, 1954

ADVERTISERS IN THIS ISSUE.

Agent Agent Total Charle Live & Divi by

BERTHAM BELLEVIEW

SCHOOL SECTION OF STREET

MERCHANT AND FRANCISCO AND LAND SECTION OF THE PARTY AND ADDRESS OF

or record involve to

7000 100 100 100 T

WHERE HE STREET ASSESSED OF WATEROOM BY THE SECOND SEC. THE MEN PERS ALL

SOUTH AND THE OWN ASSESSMENT THE

MATEURING COMPANY A TOLAR DO. Franch dors " Water of the Tax well to about in face - Street and and the last of th Application of the party of the Appearance of the Party of the PURSUE STATE PLANT SE Christian Adria PARTER OFFICERS OF - The san Hara

SALE BY OF PARTIES HAVE WELL CONTRACTOR ASSOCIATION IN LAS CONTRACTOR A POSSESS OF THE PARTY NAME COTTO WHITE DISC

SOLE PRODUCTS, INC. STATE OF THE PARTY AND THE Conference and a trace to. COME PERSON

Con malinated in COMMISSION STREET, PRODUCTION PROPERTY CONTRACTOR OF STATE AND A PROPERTY OF THE PERSON AND ADDRESS OF THE PERSON ASSESSMENT OF THE PER

Appen Policy & Builds & Boss, con. Annual Code of Street Co.

I T. E. GROUT SPENSES OF SCHOOL CORNERS (80

PERMANENTAL PLANTY-SOUTHER Vanish Separat

ACCESS LATCH

SIMMONDS

APROCESSORIES, INC.

Increase your range 25% - save 40% fuel!

Fiv at most favorable eltitudes with Court Dune

Oxygon Equipment B is a proof fight hear Cohorne in Stands B is now Conne | 155 Limited and Communic American April Communication of Communications

SCOTT AVIATION COL

EDITORIAL

British Deliver the Goods! Capital Anison promots Britishbuik anho-peopeller

transports as regular served by nost spring.

Per Americano Arenas o Scienting by at order, amounted succeits ago, for Bertals both Country.

A fleet of Bertals both de Havilland Dovin at Syng as the country as executive neural, and their neuraless are

memory. We describe destrict, as the first state of the control of

Heinemann's Bantam Bomber

"Finally, stemeone had the coverage to go cut and do superhad, about mephoty restricted of morely thing about 6.7 one of our mephoty restricted of morely things, about 6.7 one of our neglectarity addition remediad in his standard the time photocompts of the Ard Skylawik. In this case, the Navy's Ereman of Aerometro, Designar, Aerom't Co., and the Effective Options (but regions, Fell Heinemann, descripe the Interest for a bold break with recent triplicits).

covert stiffenis
Than resultable reporting model strack plant.
Than resultable reporting model strack plant.
Than resultable reporting model strack plant pl

Resolins of how tests come out-and we learn from

every one of these—be Navy, Douglas, and Benetisian distence on plandsh for disting in simplify the modern military implient, and doing it in a big way! They may vers well be opening a new ear in design, production and ethication of high-performance, light-weight jet attack planes, bengung agraficant malitary and industrial changes, and

Voluntary Censorship

self-concerning newhoring a major development of a sensitive occurry robuse. The latest has has been in effect made Agr. 15, and will continue with further lecture. According to the self-state of 60-day experiment in a similar learner, collectury consorting has a 1953, previoring the Boson justice conferentil B-52 hourhor. This was the self-state of the self-state of

The color experiency was under a comparison with Scoretin Fidelities and the AT First, A that Fidelities Scoretin Fidelities and the AT First, A that Fidelities are all advantages about \$2.00 km s^{-1}\$ and the concerning unless a possible. Assume this was then converted policy, and for the prices published only converted policy, and for the prices published only consistent policy, and for the prices published only control of the AT First and AT First published only cathers are reference in several across-stellar actions are reference in a set decree the appear to local the control of the AT First published only the action of the AT First published and the local three published and the AT First published and the

uniform and minimize score! It is generally recognized that gradual, procurant lovestitator, at least, of the development is only a matter of time, but these official score, Austrona Witze that every due that news of this discore, can be lage out of uniformly lossed in respective. They are not the kind of seen to op "seell" when so magain scorely problem court. As seen readings known, place magazine has founted all of

As our readers know, this magazine has looght all of the his gained mathematics years in apprecious and steemers, It believes as an enhalphased public. It is democratic way of hat a well-destroked public maint and headed howe across to matry facts which would be desired the criticars of a dictatatable. These are trans when it is more important to inferen our own people this to drow them offerending on the proparal that and indemnation also neckness unfriendly power. Utracessary sensors and supprepar centrals, benevier,

nevertably servery and nappus contrast, names, nevertably fand to also of power, write nod mellicentry. Nevertheless, we concede that occasionally there is a matter of namenal apportance which should not be published to being princel, at least, as the national artests. The current policy, we believe, it may not of those



If it flies... we make the gate valves for it!

riginate visit. The expert is 1801, Whiteless designed and produced the first mater estuated gate type third shut-off valve for arrests.

that type ... to provide on-off and metaming control of their, wis, to where the chart, was a control of their, wis, to where the three in whomits the control of their control

because 190% of the ministry and commercial strends (and NS of all other success) use Whittsker pate values Whittsker pate values servage up to 40% lighter these conventional values. and draft mighty important when you remember that some planes erray as many

make the special gate values it needs! Just call the mecrant Whytisker field ongonousny office.



CONQUERING the Time Barrier



COMPUTERS translate split-second decisions into instant action beyond any human ability... in bombing, in fire-control, in navigation. Maxson has been developing and building these computers for nearly twenty years.

MAXSON develops and manufactures systems, subsystems, and components in armament, navigation, electronics, and special devices.

Ask for facilities report.



THE W. L. MAXSON CORP.

460 WEST 34th STREET, NEW YORK 1, N. Y.